

## CLAIMS

1. A method of applying viscous medium on a sub-  
5 strate, comprising the steps of:

screen printing predetermined amounts of a viscous  
medium on predetermined positions on the substrate; and

add-on jetting of predetermined additional amounts  
of viscous medium on predetermined positions on the  
10 screen printed substrate.

2. The method according to claim 1, further compris-  
ing the steps of:

inspecting the results of said screen printing and  
15 add-on jetting;

determining errors of said screen printing and add-  
on jetting based on said inspection:

determining whether correction is required; and

correcting, if correction is required, at least some  
20 of said errors, wherein said correction comprises supple-  
mental jetting of additional viscous medium onto the  
screen printed substrate.

3. The method according to claim 1, comprising the  
25 steps of:

inspecting the results of said screen printing prior  
to said add-on jetting;

determining errors of said screen printing based on  
said inspection;

30 determining whether correction is required; and

correcting, if correction is required, at least some  
of said errors, wherein said correcting comprises supple-  
mental jetting of additional viscous medium onto the  
screen printed substrate.

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4. The method according to claim 3, wherein said supplemental jetting is performed in connection with performing said add-on jetting.

5        5. The method according to claim 2 or 3, wherein said add-on jetting and said supplemental jetting is performed by a single jetting device.

6. The method according to claim 2 or 3, wherein  
10 said step of correcting comprises the step of removing amounts of viscous medium from positions on the substrate.

7. The method according to claim 2 or 3, wherein  
15 said step of determining errors comprises the step of evaluating all of the determined errors and deciding on whether the determined errors shall be corrected.

8. The method according to claim 1, further comprising  
20 ing the step of applying at least one viscous medium through said add-on jetting which is different from the viscous medium applied through screen printing.

9. An apparatus for application of viscous medium  
25 onto a substrate, comprising:  
screen printing means for screen printing predetermined amounts of a viscous medium on predetermined positions on the substrate; and

jetting means for jetting predetermined additional  
30 amounts of viscous medium on predetermined positions on the screen printed substrate.

10. The apparatus according to claim 9, further comprising:

35 inspection means for inspecting the results of said screen printing and jetting;

processing means for determining errors of said screen printing and jetting based on said inspection; and

correction means for correcting at least some of said errors, wherein said correction means comprises jetting means arranged for supplemental jetting of amounts of viscous medium onto the screen printed substrate.

11. The apparatus according to claim 9, further comprising:

inspection means for inspecting the results of said screen printing;

processing means for determining errors of said screen printing based on said inspection; and

correction means for correcting at least some of said errors, wherein said correction means comprises jetting means arranged for supplemental jetting of amounts of viscous medium onto the screen printed substrate.

12. The apparatus according to claim 10 or 11, wherein the correction means comprises removing means for removing viscous medium from the screen printed substrate.

13. The apparatus according to claim 10 or 11, wherein the jetting means for jetting additional amounts of viscous medium on predetermined positions on the substrate and the supplemental jetting means is a single jetting means.

14. An apparatus for application of additional viscous medium onto a screen printed substrate, further comprising jetting means for jetting said additional amounts of viscous medium on predetermined positions on the substrate.

15. The apparatus according to claim 14, further comprising:

processing means for determining errors of said screen printing and jetting based on said inspection; and  
5        correction means for correcting at least some of said errors, wherein said correction means comprises jetting means arranged for supplemental jetting of amounts of viscous medium onto the screen printed substrate.

inspection means for inspecting the results of said screen printing;

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17. The apparatus according to claim 15 or 16, wherein the correction means comprises removing means for removing viscous medium from the screen printed substrate.

19. A method of applying viscous medium on a substrate, comprising the steps of:

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20. A method of applying additional viscous medium  
on a screen printed substrate, comprising the step of:  
jetting additional viscous medium onto the sub-  
strate.

21. An apparatus for application of a viscous medium  
onto a substrate, comprising:  
a screen printer for screen printing predetermined  
amounts of the viscous medium on predetermined positions  
on the substrate; and  
a jetting device for jetting predetermined addi-  
tional amounts of viscous medium on predetermined posi-  
tions on the screen printed substrate.

22. The apparatus according to claim 21, further  
comprising:  
an inspection device for inspecting the results of  
said screen printing and jetting;  
a processor for determining errors of said screen  
printing and jetting based on said inspection; and  
a correction device for correcting at least some of  
said errors, wherein said correction device comprises a  
jetting device arranged for supplemental jetting of  
amounts of viscous medium onto the screen printed sub-  
strate.

23. The apparatus according to claim 21, further  
comprising:  
an inspection device for inspecting the results of  
said screen printing;  
a processor for determining errors of said screen  
printing based on said inspection; and  
a correction device for correcting at least some of  
said errors, wherein said correction device comprises a  
jetting device arranged for supplemental jetting of

amounts of viscous medium onto the screen printed substrate.

24. The apparatus according to claim 22 or 23,  
5 wherein the correction device comprises a removing device for removing viscous medium from the screen printed substrate.

25. The apparatus according to claim 22 or 23,  
10 wherein the jetting device for jetting additional amounts of viscous medium on predetermined positions on the substrate and the supplemental jetting device is a single jetting device.

15 26. An apparatus for application of additional viscous medium onto a screen printed substrate, further comprising a jetting device for jetting said additional amounts of viscous medium on predetermined positions on the substrate.

20 27. The apparatus according to claim 26, further comprising:

an inspection device for inspecting the results of said screen printing and jetting;

25 a processor for determining errors of said screen printing and jetting based on said inspection; and

a correction device for correcting at least some of said errors, wherein said correction device comprises a jetting device arranged for supplemental jetting of  
30 amounts of viscous medium onto the screen printed substrate.

28. The apparatus according to claim 26, further comprising:

35 an inspection device for inspecting the results of said screen printing;

a processor for determining errors of said screen printing based on said inspection; and

a correction device for correcting at least some of said errors, wherein said correction device comprises a jetting device arranged for supplemental jetting of amounts of viscous medium onto the screen printed substrate.

29. The apparatus according to claim 27 or 28, wherein the correction device further comprises a removing device for removing viscous medium from the screen printed substrate.

30. The apparatus according to claim 27 or 28, wherein the jetting device for jetting additional amounts of viscous medium on predetermined positions on the substrate and the supplemental jetting device is a single jetting device.

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